

**What is claimed:**

1. A closure device for a flexible container containing a medical fluid comprising:  
a base section having a top wall, a bottom wall, said base section adapted to fit said flexible container;  
5 a support connected to said base section and adapted for a user to grip said closure device;  
a cylindrical member extending through said base section and said support, said cylindrical member having a first opening in said base section and a second opening in said support, said cylindrical member adapted to allow said medical fluid to flow therethrough  
10 and exit said flexible container;  
a first seal blocking said cylindrical and capable of being breached; and  
a second seal covering said second opening and capable of being defeated;  
wherein a portion of said cylindrical member between said first seal and said second seal defines a chamber.  
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2. A closure device for a flexible container containing a medical fluid comprising:  
a base section having a top wall, a bottom wall, said base section adapted to fit said flexible container;  
a mid-section connected to said top wall;  
20 a support connected to said mid-section and adapted for a user to grip said closure device;  
a cylindrical member extending through said base section, said mid-section and said support, said cylindrical member having a first opening in said base section and a second opening in said support, said cylindrical member adapted to allow said medical fluid to  
25 flow therethrough and exit said flexible container;  
a first seal blocking said cylindrical member and capable of being breached; and  
a second seal covering said second opening and capable of being defeated;  
wherein a portion of said cylindrical member between said first seal and said second seal defines a chamber.

3. The closure device of claim 2, wherein said first seal covers said first opening.
4. The closure device of claim 3, wherein said first seal comprises a weakened section.
5. The closure device of claim 2, wherein said second seal is a peelable foil.
6. The closure device of claim 2, wherein said cylindrical member has a diameter from  
5 about 0.5 mm to about 12 mm.
7. The closure device of claim 6, wherein said cylindrical member is adapted to receive a spike set.
8. The closure device of claim 2, wherein said support has at least one wing.
9. The closure device of claim 2, wherein said chamber is sterile after said closure  
10 device has experienced a sterilization process.
10. The closure device of claim 2, wherein said base section is boat-shaped.
11. A container for a medical fluid comprising:  
a pouch having a port and at least a single edge such that said edge defines a  
reservoir within said pouch that is adapted to contain a medical fluid; and  
15 a closure device adapted to fit said port and comprises  
a base section having a top wall and a bottom wall;  
a mid-section connected to said top wall;  
a support connected to said mid-section and adapted for a user to grip said  
closure device;  
20 a cylindrical member extending through said base section, said mid-section  
and said support, said cylindrical member having a first opening in said base section and a  
second opening in said support, said cylindrical member adapted to allow said medical  
fluid to flow therethrough and exit said port;  
a first seal blocking said cylindrical member and capable of being breached;  
25 and  
a second seal covering said second opening and capable of being defeated;  
wherein a portion of said cylindrical member between said first seal and said second  
seal defines a chamber.

12. The container of claim 11, wherein said first seal covers said first opening of said cylindrical member.
13. The container of claim 12, wherein said first seal is a weakened area.
14. The container of claim 11, wherein said closure device is made of a polymer  
5 material.
15. The container of claim 11, wherein said chamber is sterile after said closure device is sterilized.
16. The container of claim 11, wherein said second seal is a peelable foil.
17. The container of claim 11, wherein said cylindrical member has a diameter from  
10 about 0.5 mm to about 12 mm.
18. The container of claim 11, wherein said support has at least one wing.
19. The container of claim 16, wherein said support further comprises a raised surface.
20. A closure device for a flexible container containing a medical fluid comprising:  
a base section having a top wall, a bottom wall, said base section adapted to fit said  
15 flexible container;  
a cylindrical member having a first opening and a second opening, said cylindrical  
member extending through and projecting outwardly from said base section;  
a support adapted for a user to grip said closure device, said support being  
connected to said base;  
20 a first seal blocking said cylindrical member and capable of being breached; and  
a second seal covering said second opening and capable of being defeated.